• Red Sox Take 3rd in Row from Orioles Page 12

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Man Takes First Moon Step

Monday, July 21, 1969

Nixon Speaks To Walkers on **Moon Surface**

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Washington -(UPI) - President Nixon called the two astronauts on the phone today as they walked on the surface of the moon.

"Because of what you have done the heavens have become part of man's world," he said in a two-minute call that spanned 250,000 miles of space.

"Thank you, Mr. President. It's a great honor and privilege for us to be here, representing not only the United States but men of peace of all nations, men with interest and curiosity and men with a vision for the future. It's an honor for us to be able to participate here today," Neil Armstrong responded.

Nixon replied: "Thank you very much and I look forward, all of us look forward, to seeing you on the Hornet on Thursday.

Washington - (AP) - President Nixon and leaders of the nation prayed and worshipped Sunday in the White House with their eyes and thoughts fixed on

The President expressed confidence in a successful climax to the Apollo 11 mission to let two astronauts walk on the moon and then return safely to earth.

Asked after the services whether he thinks "they will make it," Nixon told reporters he doesn't know much about technical things and astronaut Frank Borman says it is a very difficult operation.

"But he points out that they have tested all the technical aspects over and over again," the President said, "and if he says it's O.K., I feel better about it."

Borman, commander of the Apollo 8 space voyage, read during the morning worship the first 10 verses of Genesis which he and his crew repeated back to earth last Christmas Eve while orbiting the moon.

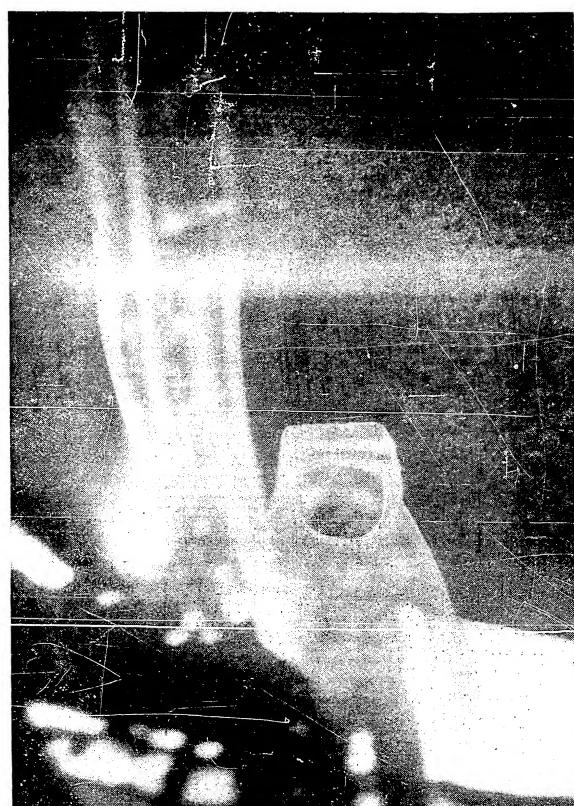
Sen. Mark O. Hatfield of Oregon, a leading Baptist layman, gave the invocation. Rep. John H. Buchanan Jr. of Alabama, an ordained Baptist minister, gave

And Dr. Paul S. dent of Nixon's alma mater, Whittier College, in California, delivered the sermon. He is a

There were prayers for peace President, who watched later on TV the progress of the space mission and the first footstep on To the Moon

Hatfield prayed for the safe

that countless millions in all na-among observers here, who won-steps and skinned her knee. tions were praying not so much dered if the latest correction was



Man on the Moon: Astronaut Neil Armstrong as he took man's first extraterrestrial steps.

A record 346 persons were in-Luna 15 Now and for divine guidance for the north Orbit Close

return of Neil Armstrong. Ed- Moscow — The Soviet Union clipped comments from two tered cheers arose from those the LM and peered through the miles above the moon surface. win Aldrin and Michael Collins announced yesterday that the steady voices, and knots tight-with portable radios, but most dark-tinted office windows to and for the thousands of support orbit of its unmanned spacecraft ened in a thousand throats. personnel who are "their broth-Luna 15 was again altered,

Israel, Egypt Stage Fiercest Aerial Battles Since 1967

warfare erupted yesterday between Israel and the United Arab republic.

Israeli fighter bombers struck in successive waves at war two years ago. Egyptian military positions along the Suez Canal and Egyptian aircraft followed with attacks on Israeli radar sta-

sites in the Sinai Peninsula. Cairo reported at nightfall that its antiaircraft gunners and pilots had shot down 19 Israeli aircraft.

tions and antiaircraft missile

One Egyptian plane was shot down, Cairo reported.

@ N.Y. Times News Service

Cairo - Full scale aerial ciuls reported the loss of two jet planes and said that five Egyptian planes had been shot

The air fighting was the most severe since the six-day

The implications of the Israeli attacks, called "vindicwere under "very serious study" last night by Egyptian leaders, according to government spokesman, Mohammed H. el Zayyat.

(Official spokesmen in Jerusalem said they bembed and strafed Egyptian Sam groundto-air missile bases, antiair. What's Going On ... Page 36 eraft positions and artillery Women's Pages ... Page 8, 9

Contrast at Houston Center

Houston - Inside, they lis- out of their seats.

An assembly of about 40 that one brave astronaut might a prelude to an attempted lunar black children and their moth-set foot on the moon, but that landing by the Russians, ers, welfare recipients from Continued on Page 2, Col. 1 Continued on Page 3, Col. 4 terrace beside the LW to dome errace beside the LM to demonstrate. One of them had a ransistor radio, but she turned off because the fuzziness

Then came the words which released mortal men from the

bonds of earth: "Tranquility base here. The Eagle has landed." The press center reverberated

cheers and whistles and ounding on desks. In Mission Control, arm

Today's Journal

Bay Shipping Page 36 Death NoticesPage 19 Dr. Van DellenPage 26 Editorial PagePage 2! Financial News Page 27 Radio and TVPage 26 SportsPages 12-18 What's Going On . . Page 36 (In Jerusalem. Israeli offi- Continued on Page 7, Col. Il manager and an approximation of the Continued on Page 7, Col. Il manager and approximation of the Continued on Page 8, Col. Il manager and approximation of the Continued on Page 8, Col. Il manager and approximation of the Continued on Page 9, Col. Il manager and approximation of the Continued on Page 9, Col. Il manager and approximation of the Continued on Page 9, Col. Il manager and approximation of the Continued on Page 9, Col. Il manager and approximation of the Continued on Page 9, Col. Il manager and approximation of the Continued on Page 9, Col. Il manager and approximation of the Continued on Page 9, Col. Il manager and approximation of the Continued on Page 9, Col. II manager and approximation of the Continued on Page 9, Col. II m

Entertaining the folks at the Folk Festival yesterday,

-Journal-Bulletin Photo by JACK SPRATT

Donny Brooks and his harmonica.

In the benediction, Buchanan asked that the Lord crown the Apollo 11 mission with success, bring the astronauts safely back and help the nation "in this experience to glorify You."

Dr. Smith told the assemblage his faith in mankind was renewed Sunday in the knowledged gradient and success faith in mankind was renewed Sunday in the knowledged gradient and success faith in mankind was renewed Sunday in the howledged gradient and success. The time southwestern edge of the door and hollered at a Sea of Tranquility, almost right on the lunar equator.

Leven as Neil Armstrong and of the door and hollered at a Sea of Tranquility, almost right on the lunar equator.

Tass, the Soviet press agency, made the disclosure only minutes before the Apollo 11 mission with success, and help the nation "in this experience to glorify You."

Dr. Smith told the assemblage his faith in mankind was renewed Sunday in the knowledged of the moon's surface.

Even as Neil Armstrong and of the door and hollered at a Sea of Tranquility, almost right on the lunar equator.

We were coming down to black children began to sing, led by a bearded man in an Afro shirt. An organizer broke out signs that said: "Well, we kind of suspected that from all the noise we heard." Bill Orr, a visitor from all the noise we heard." Bill Orr, a visitor from the hungry Continued on Page 2, Col. 4

The time described to the detail.

The time leading solfficult to describe a few feet above the lunar equator.

We were coming down to sufficient two men just land.

Well, we kind of suspected that from all the noise we heard." Bill Orr, a visitor from said about five minutes after broke out signs that said: The time leading of the detail.

The time described to the washways with describe, and the follow on the lunar equator.

Well, we kind of suspected that two men just land.

Well we kind of suspected that two men just land.

The time as any in the southwestern edge of the look on the lunar equator.

Well we reall well as a few feet above the lunar equator.

The time

tened to the jumble of navigational numbers, the frightening side, most of the people seemed bursts of static and silence, the hardly to notice. A few scatbursts of static and silence, the hardly to notice. A few scat-clioned comments from two torol cheers arose from those the LM and peered through the miles above the moon surface.

| Armstrong and Aldrin appear to be parently felt fine. Armstrong's the LM and peered through the miles above the moon surface.

'That's One Small Step For Man. One Giant Leap For Mankind'

38 PAGES

man to set foot on its alien soil, warming in the lunar sun-

Armstrong's first words on EDT. the moon were:

kind."

down a lander to the first men to reach the moon — Aimstrong and his co-pilot, Col. Edwin E. Aldrin Jr. of the Air Force — brought landing craft to the langer lan their lunar landing craft to knees. rest at 4:17 p.m. EDT on a

rest at 4:17 p.m. EDT on a level, rock-strewn plain near the southwestern shore of the arid Sea of Tranquility.

Less than seven hours later, Armstrong opened the landing craft's hatch, stepped slowly down the ladder and planted the first human footprints on the lunar crust.

Outside their vehicle the as of the southwestern shore of the southwestern shore of the first television view millions on earth saw was Armstrong. The first television view millions on earth saw was Armstrong sky, chief of astrogeology for the U.S. Geological Survey—workstrong in one of the science support rooms here—explain: "They've hit a good spot to do collecting."

"Looking up at the Lem, I'm One of the first things Armstrong.

"Looking up at the Lem, I'm One of the first things Armstrong. The first television view millions on earth saw was Armstrong. This made Dr. Harold Masurstrong in one of the science support rooms here—explain: "They've hit a good spot to do collecting."

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One of the first things Armstrong. The first television view millions on earth saw was Armstrong. This made Dr. Harold Masurstrong in one of the science support rooms here—explain: "They've hit a good spot to do collecting."

"Looking up at the Lem, I'm One of the first things Armstrong.

horizon behind them and the at 11:01 p.m. chill of the long lunar night "The surface

nauts began venting the oxygen strong reported. in the small cabin into the near vacuum of the lunar wilderness, letting the environment of the his spacecraft. Then the moon moon come in.

He was in the bitter cold of the back pack did cause

Mission control gave the time eighth of an inch" into it, he for hatch opening at 10:40 p.m. said.

"That's one small step for Eagle and started backwards around."

Armst

Outside their vehicle the astrongular to the shadow from the standing directly in the shadow from the shadow from the shadow from the shadow from the standing directly in the shadow from the shadow fr the sun low over the eastern quite clearly," Armstrong said equipment stowage assembly"—

horizon bening them and the at 11:01 p.m.

chill of the long lunar night "The surface is fine and powstill clinging to the boulders, small craters and hills before them.

At 10:26 p.m. the two astropauts began venting the oxygen strong reported.

The surface is fine and powstilled the skin of the skin of the skin of the levision camera and scientific equipment.

He was quickly giving scientists more information about the nature of the lunar surface the nature of the lunar surface.

Space Center, Houston—Man earne to the moon and walked than 10 minutes for the more of the moon and walked than 10 minutes for the more of the moon and walked than 10 minutes for the more of the moon and walked than 10 minutes for the more of the moon and walked than 10 minutes for the more of the moon and walked than 10 minutes for the more of the moon and walked than 10 minutes for the moon and walked came to the moon and walked its surface yesterday, July 20, 1969.

Neil A. Armstrong, 38, of drop low enough to permit it to Wapakoneta, Ohio, was the first open.

Armstrong said the space-craft's footpads had pressed only an inch or two into the dusty soil. His foot sank only a "small fraction — about an

TEN CENTS

His first steps were cautious in the one-sixth gravity of the Then Armstrong emerged moon. But he quickly reported, from the lunar lander named There is no trouble to walk

todule) on his hands and "every shape, regularity, irregu-larity, every variety you'd find,"
"Okay, Houston, I'm on the and "quite a few interesting

trunk in the skin of the

He stepped first onto one of than they have gained in all the four saucer-like footpads of their recent years of poking at

"The hatch is coming open," lunar shadows as the camera Continued on Page 3, Col. 1

'Tranquility Base, Here'

'The Eagle Has Landed'

Common Post News Service | manually over the rock field and two foot craters. Some | Houston -- In a spacecraft to find a place to land." | angular levies in front of us | Called Eagle, two Americans | The landing came about four | In the landing came about four |

heavenly body. The majestic moment for craft's guidance computer from 4:17 p.m. EDT when they set

has landed." "You did a beautiful job," lual control of the vehicle and be country bosalt."

Astronaut Charles Duke said guided it safely over the crater Both men seeme

"There's two of them down moon's surface.

here," Armstrong replied.

lled Eagle, two Americans. The landing came about four two feet in size. There is a the first humans in history get, but well within the designation of the size. There is a hill in view ahead of us. It down on another nated area. An apparent error might be a half mile or a mile ody. missing data fed into the away."

astronauts Neil Armstrong and earth was said to have ac-Edwin (Buzz) Aldrin came at counted for the discrepancy. Suddenly the astronauts were their four-legged wingless land-startled to see that the coming craft down in the moon's puter was guiding them toward

Armstrong grabbed the man-

Astronaut Charles Buke saturguines to a smoother spot.

It is one-sixth that of lots of smiling faces down gave a waiting world its first earth's.

eyewitness description of the "It looks like a collection of

with portable radios, but most of the tourists were unaware of the precise climax.

| with portable radios, but most of dark-tinted office windows to watch newsmen and NASA an easy one — and was about four miles from the target rount some of the houldened at the time of the precise climax. Luna 15 was again altered. Yet outside the white build-bringing it to within 10 miles ings of the Manned Space Center of the moon's surface.

Yet outside the white build-bringing it to within 10 miles ings of the Manned Space Center campus, Sunday visitors

Funda 15 was again altered. An excited reporter burst out in the southwestern edge of the to have some interesting color. The time leading up to the described for the moon's surface.

angular levies in front of us

Armstrong then what he said were rocks fracrocket plume.

"Some of the surface rocks Sea of Tranquility.

"Tranquility base, Armstrong announced to a breathless world. "The Eagle field.

"The Manual Summer was guinning fittent toward in close look like they might have a coating on them," he about the size of a football said. "Where they're broken, they display a very dark gray be looked." interior. It looks like it could

Both men seemed to actually

"It's like being in an airplane," Armstrong said. "It

Moon Tributes Close Festival

Folk Festival ended last night with rain, an air of relaxed tributes to informality in the music and impromptu tributes America's newest heroes, the moon explorers.

For this closing concert, 5,000 dedicated fans sat through a continuing drizzle which at least ended the dust bowl aspect of Festival Field.

Total attendance since the programs began Wednesday was 51,000, considerably below last summer's Folk Festival count of 73,700 and the all time record turnout of 80,000 at the turbulent Jazz Festival earlier this month.

But George Wein, producer the festivals, said the festivals might be moved from Newport because the city may be too small to handle festival needs. A decision on whether to move may be made in

He said he would like to

but hold them on another site roomy enough for the festival organization to deal directly with problems such as parking, accommodations and crowd control instead of relying on the local community.

Shortly before the scheduled moon-walk a quarter-million miles away, topical folk singer Len Chandler taped hastily composed lyrics to a microphone pedestal and sang an ode to "Moon Men Sailing the Black Sky's Silent Ocean.'

Comparing their exploit to that of Columbus, Chandler sang "Say that in peace you came and in peace you will remain and our horizons will expand 10 light years more.

The evening had another tribute, tee, in words and song that honored a Negro ballaceer who died in 1949, Huddie Ledbetter, the legendary "Leadbelly."

The Louisiana native, an ex- Confinued on Page 18, Col. 5

The ninth annual Newport keep the festivals in the state convict who was discovered in obscurity, composed "Rock Island Line," "Good Night Irene," "Old Cottonfields at Home" and a myriad of other folk songs.

Listed to join in the Leadbelly homage were such performers as Pete Seeger, Bernice Reagon, Sonny Terry and Brownie McGhee, re-maining members of the Depression-era "Weavers" singing group, Fred Gerlach, like Leadbelly an expert on the 12-string guitar; Jesse Fuller and the Rev. Frederick D. Kirkpatrick.

The merry crewmen of Pete Seeger's Hudson River sloop Clearwater, as studiedly picturesque a group as you heard in chorus and singly, drawing heavy applause.

Gordon Bok, a young man from Maine with a fine bass

The Providence Journal

ell the local nors britted the person, as well as all AP news displayer, as well as all AP news displayer, as well as all AP news displayer. Third Avenue Desion, Room 479, Statler Office Blog. Cheans 688, 400 No. Michigan Blyd. Washington 925, National Press Bldg. Atlanta Fulton National Bank Bldg. San Francisce, Room 1467 Russ Bldg. San Francisce, Room 1467 Russ Bldg. San Francisce, Room 1467 Russ Bldg. Design 1991 National Bank Bldg. Loc Anscles 1880 North Vine Bldg. Detroit 700 North Michigan Parkway West-Parkway Vine Room 1880 One month \$2.60 Three months. \$15.00 Three months. \$15.00 Three months. \$15.00 Three months. \$15.00 Three months. \$2.60 Three mont

Nixon Speaks

moon of peace.

Five Reception Lines.

This was an allusion to the nations and Communist Roma-

After the services there were five reception lines, rather than the customary one. The President and Mrs. Nixon, the preacher and his wife, plus Chief Justice and Mrs. Warren Burger, met guests filing through the State Dining Room.

In the Blue Room, Vice President and Mrs. Spiro T. Agnew and the Bormans received the guests. In the Green Room it was Secretary of State and Mrs. William P. Rogers and the Hat fields. In the Red Room it was Secretary of Defense Melvin R Laird with Buchanan.

Bright Spot Is Sighted By Armstrong

The Washington Post News Service Houston — Astronaut Neil Armstrong spotted a bright.

Armstrong spotted a bright.

All fed into computers before the mission starts, and continuous startly updated from the mission startly updated from the flight.

transient events" — temporary day's correction and ran only bright glows or flashes — ob- a small one Thursday morning.

The cid-fashioned sextant, invented in England in 1730,

in the Aristarchus area.

Many scientists think they may be some kind of fluoresscent effect caused by the beat ing of solar particles on parts

But some think they may be

the most active events. If proved correct — it is far from accepted — this would suggest that the moon may still horizon, having risen some 20 arth hours earlier earth hours earlier. be a live place geologically

rather than one long dead.

The Apollo 10 astronauts also watched for such events but

saw none.

Brown Professor Gets Space Post

Bruno J. Giletti, a Brown Uni versity professor of geological sciences, has been named a member of the board of trustees search Association, an organization for the advancement of unharmed when a fire began at

As a trustee, Professor Giletti, and spread to the attic, causing with other board members, will heavy damage. be responsible for the establish ment of research laboratories

Europeans Entranced By Flight of Apollo

Paris — Not since Charles A. In Great Britain, well over indbergh flew the Atlantic 42 50 hours of direct television rears ago has Europe hailed an transmissions, replays and American achievement with special programming of the uch enthusiasm, fascination moonshot will have been aired and abandon as it has in following the Apollo 11 moon flight.

Lindbergh's flight brought the less extensive but for the first

replays

worldwide audience.

The European mood was well expressed by Alain Bosquiet, writing in the Paris daily Combat:

States. The lunar module touched down for a television screening in Paris, London and the rest of Europe last evening. bat: the rest of Europe last evening.
"As far as I am concerned, I Like the astronauts, Europeans is teing conquered by Americans. What interests me primarily is the attitude of the marily is the attitude of the moon walk this morning.

To Walkers on Moon Surface

To Walkers on Moon Surface

Moon Surface

To Walkers on Moon Surface

To Walkers on Moon Surface

Moon Surface

To Walkers on those of NASA and the general public — consider rightly the event as a triumph of technology and effectiveness.

To the remainder, they spare us philosophical considerations of which we have nothing to do . . . one cannot imagine an attitude more sympathetic, more modest, more modest, more modest, more respectful of the neighbor's intellectual rights.

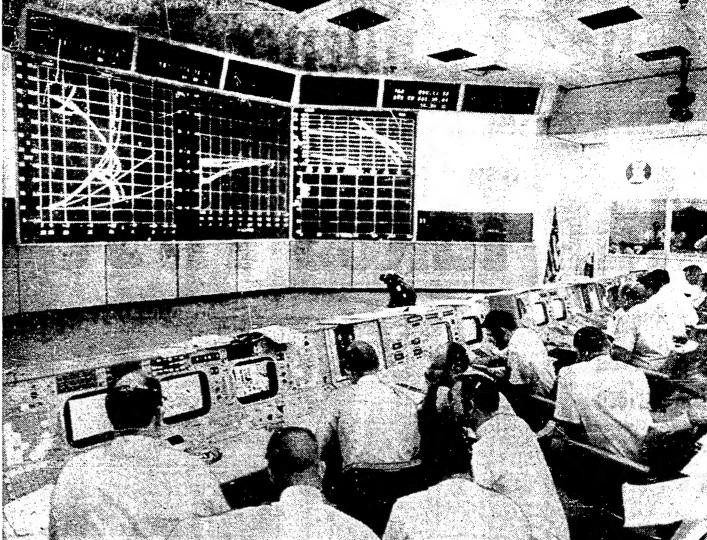
"And my hope for mankind," he said, "is strengthened in the knowledge that our intrepid President himself will soon go into orbit reaching only for the moon of peace."

The Americans — poth in Poland and Czechoslovakia carried the launching live last Wednesday and were expected to carry at least part of the live transmission of the moon walk. This, perhaps, forced the hand of the Soviet authorities who gave the launching in unusual 10 minutes of television last Wednesday and were expected to carry at least part of the moon walk. This, perhaps, forced the hand of the Soviet authorities who gave the launching in unusual 10 minutes of television last Wednesday and were expected to carry at least part of the moon walk. This, perhaps, forced the hand of the Soviet authorities who gave the launching in the sum of the moon of the moon or modest, more respectful of the meighbor's intellectual rights.

"No propaganda, no brain-washing, no out-of-place pride among those men . . imagine China or Russia in a similar situation."

"The Americans — poth that. The Americans - both in Poland and Czechoslovakia

"The Americans will cele-brate the feat as an event that belongs to them but which belongs just as well to all man- and untrusting their society, This was an allusion to the longs just as well to an inflation of the species and communist Romaloassadors of the species. That message across to the rest of is self-evident and needs not to Europe and the world, it is be underscored."



Mission Control at Touchdown: This was the scene in Mission Control at Manned Spacecraft Center in Houston, Tex., showing the giant tracking screen at the time of touchdown of the Apollo II lunar module. Module is indicated by the white dot in lower left of screen.

Radar and Computer

Handle Navigation

type of sextants that sailors stay in a fixed position, no at the time and out of radio nine minutes."

At this point.

At this point.

'The Eagle Has Landed'

descent engine for the first time. Burning the engine for 27 sec-

have used since the 18th century.

This platform is aligned to certain stars' points and provides an fixed reference to measure open seas. Astronauts can find their way to the moon and back by taking sextant sightings of stars and the earth.

Any change in the space-traft's position — a change in horizons.

In truth, though, the astronauts do very little of the actual navigating to the moon.

The route, the star sightings and the spaceship's speed are the

it go?"

"Listen, babe," replied an excited Collins. "Everything's go-ing just swimmingly. Beautiful." Two minutes later, Duk ; feet.' into range.

"We're standing by foryour burn report," Duke said.

drin told him.

"Rog, copy," Duke said.
"Looks great." At this point, Astronomers in 31 countries ground breaks down.

Astronomers in 31 countries are manning a lunar international observers network—Project Lion—to keep an eye out for any such events during round controllers.

Apollo 11.

The looking north," Armstrong repeated, "and there's an area that's considerably more illuminated than the surround-filluminated than the surround-fillu

gion of the Sca of Tranquility for a minute.' at an altitude ot 53,000 feet Collins brok and only minutes away from its second critical maneuver surface.

a powered descent.' "Roger," Armstrong softly, "Understand."

In terms of an earth day,

"Light's on," he said. "Des- answered. cent looks good."

at Camp Yawgoog in Rockville.

a blaze that struck a two-story ments for a merit badge in residence Saturday, forcing a bicycling, left at 8:15 a.m. from noticed a few warning lights. He said he wasn't surgeous to fice. a blaze that struck a two-story ments for a merit badge in residence Saturday, forcing a bicycling, left at 8:15 a.m. from noticed a few warning lights couple to flee.

It was the fourth such suspicious fire in recent weeks.

Mr. and Mrs. Nathan New-Mr. Nathan New-Mr. During their trip, they lunched its to be a little long."

He said he wasn't sure of order. Forty-five minutes later, a shopping plaza on Post Road fluctuations, he said, "And our said we wouldn't be able to position checks downrange show tell exactly where we are the winners today."

He said he wasn't sure of order. Forty-five minutes later, a shopping plaza on Post Road in position on the moon either. "Well," he said, "the guys who on their 13th moon orbit, a shopping plaza on Post Road fluctuations," he said. "And our said we wouldn't be able to position checks downrange show tell exactly where we are the winners today."

Journal of the surface.

At 2-12 p.m., Collins fired his them down to the surface.

"Eagle," Duke said, "You are give the two spacecraft even go for DOI."

"Roger." replied Aldrin mather of order. Forty-five minutes later, a shopping plaza on on the moon either.

Well," he said, "He guys who on the guys who said we wouldn't be able to give the two spacecraft even go for DOI."

"Roger." replied Aldrin mather of order. Forty-five minutes later.

Well," he said, "the guys who on the guys who on the moon orbit, a shopping plaza on Post Road.

"Eagle undocked from Columbia, moon orbit, a shopping plaza on Post Road."

"Eagle undocked from Columbia.

"Thrusting."

"Exercything's good."

"Exercything's good."

Eagle," Duke answered, "You

Continued From Page One "You're looking great to us, Collins said. "It sure looked great to us, Collins said. "It sure looked great. You guys did a beautiful A minute later, it was 500 job.

miles an hour, then it was sud-

Final Approach

feet."
At that, Armstrong began trapidly to read off his altitudes and pitch angles — the angle at which the spacecraft was falling toward the lunar surface.

"Three hundred feet," he said. "Down three and a half. A hundred feet, Three and a half. A down. Okay. Seventy-five feet."

"Good morning from the Black to seep, and ure of luxury.

Even before man ventured into space, scientists worried about his ability to nourish himself outside the earth's atmosphere. The near-liquid consist-fights, for example, was defights, for example, was defights, for example, was defights, for example, was defights. The said of the property of the

down. Okay. Seventy-five feet. Lookin' good. Down a half.''

coming up over the eastern re-replied. "We're going to be busy making, then sent them up a Collins broke in from his lone-

Collins broke in from his lonesome spot 70 miles above the
moon, wanting in on the historic
conversation.

"He has landed," Duke insaid. "It seems she was banishit look?"

"An ancient legend says a
called
Change has been living on the
steerable," said Duke, who had
Armstrong when he'd looked out
this window, "You're upside
down."

"Somebody's upside down."

live volcanic activity — outpourings of smoke and gas — Apollo 11 lunar module landed to 21 degrees above the horizon. "Good show," Collins said.

Scout Troop 14 of North Kings-plain to everybody listening that fly the spacecraft in manually

oigger than 10 feet around." everything was in working taking a stroll.

He said he wasn't sure of order. Forty-five minutes later,

Slight Angle Armstrong reported that the

Again, Collins broke in, eager able to unlock for almost 45 on their separation distance.

to talk to the two moon landers, minutes.

great. You guys did a beautiful

an hour.

"You're looking great at eight minutes," Duke told them, then: "You're looking great at eight minutes," Duke told them, then: "You're looking great at eight moon were truly incredible, but 22-hour stay on the moon. The entire day seemed incredition of their countrymen and Col. been put in pouch-like plastic bowls to which the astronauts add water, rehydrating the food. Many of their countrymen in general, the food on the moon.

Many of their countrymen in general, the food on the moon. Applied 11 mission does not different and the moon of the countrymen in general, the food on the moon.

they all go to bed.

little Chinese mythology. "An ancient legend says

"Large Rabbit"

"You might also look for her companion." Evans went on "a throttling up the engine to slow Duke told them things looked large Chinese rabbit, who is the Eagle down again, to drop good enough for them to stay casy to spot since he is only it down toward the lunar sur-there a while.

"Give standing on his hind feet in were shipshape."

"It's "We thank you," Armstrong the shade of a cinnamon tree." "Check that tracking ligh inswered. "Okay." Armstrong answered. Mike," Armstrong told Collins.

and a large rock field.

The youths, who made the requirements for a merit badge in Still calm, Aldrin said he

and a large rock field.

"It really was rough over the Eagle for the first time looking good."

It really was rough over the Eagle for the first time linstrument checklists. For 15 social lating between point 69 and instrument checklists. For 15 social lating between point 69 and instrument checklists. For 15 social lating between point 69 and on the moon, Aldrin got into off what seemed like endless instrument checklists. For 15 social lating between point 69 and on the moon, Aldrin got into off what seemed like endless instrument checklists. For 15 social lating between point 69 and on the moon, Aldrin got into off what seemed like endless instrument checklists. For 15 social lating between point 69 and on the moon, Aldrin got into off what seemed like endless instrument checklists. For 15 social lating between point 69 and on the moon, Aldrin got into off what seemed like endless instrument checklists. For 15 social lating between point 69 and on the moon, Aldrin got into off what seemed like endless instrument checklists. For 15 social lating between point 69 and on the moon, Aldrin got into off what seemed like endless instrument checklists. For 15 social lating between point 69 and on the moon, Aldrin got into off what seemed like endless instrument checklists. For 15 social lating between point 69 and on the moon, Aldrin got into off what seemed like endless instrument checklists. For 15 social lating between point 69 and on the moon, Aldrin got into off what seemed like endless instrument checklists. For 15 social lating between point 69 and on the moon, Aldrin got into off what seemed like endless instrument checklists. For 15 social lating between point 69 and on the moon, Aldrin got into off what seemed like endless instrument checklists. For 15 social lating between point 69 and on the moon, Aldrin got into off what seemed like endless instrument checklists. For 15 social lating between

They were accompanied by cent. Repeat. You are go to continue powered descent."

They were accompanied by cent. Repeat. You are go to continue powered descent."

They were accompanied by cent. Repeat. You are go to continue powered descent."

They were accompanied by cent. Repeat. You are go to continue powered descent."

They were accompanied by cent. Repeat. You are go to continue powered descent."

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They were accompanied by cent. Repeat. You are go to continue powered descent."

They were accompanied by cent. Repeat. You are go to continue powered descent."

They were accompanied by cent. The fourth and they've made, this one was done was done to continue powered the hind the moon and out of spacecraft were 1,000 feet away in the power the fourth and they've made, they was done was done to continue powered descent."

Astronauts Getting Nearly Normal Meals

miles an hour, then it was suddenly down to less than 90 miles there ready for us now," radioed 4:17 p.m. Eastern Daylight the weight by up to 90 per cent.
Time. when the astronauts Many freeze-dried foods have

cluding candy bars, dried fruit and cheese, are new to the menu. Fresh bread, which was part

The cans are part of a con-

"Okay, stand by." Armstrong all the headlines they'd been these conditions, the ice crystals necessarily low in residue formed by the freezing change they create a bigger problem

"Eagle Has Wings" "Eagle has wings," Armstrong's simple reply.

conditions of space.

For awhile, all three men did light on, please. was look each other over, to

"Check that tracking light

Scout Troop 14 of North Kings- plain to everybody listening that fly the spacecraft in manually town pedaled 53 miles yesterday they were indeed on their way to avoid a football-sized crater three men began their 11th orbit and large rock field.

On a bicycle trip that ended down to the moon.

In a bicycle trip that ended down to the moon.

In a bicycle trip that ended down to the moon.

In a bicycle trip that ended down to the moon.

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In a bicycle trip that ended down to the moon.

In a bicycle trip that ended down to the moon.

In a bicycle trip that ended down to the moon.

In a bicycle trip that ended down to the moon altitude of 47 moon and the two spacecraft seven three men began their 11th orbit of the moon, Aldrin got into off what seemed like endless conclusions between the two spacecraft seven three men began their 11th orbit off what seemed like endless conclusions between the two spacecraft seven three men began their 11th orbit off what seemed like endless conclusions between the two spacecraft seven three men began their 11th orbit off what seemed like endless conclusions between the two spacecraft seven three men began their 12th orbit off what seemed like endless conclusions are the trip that ended the two spacecraft seven three men began their 12th orbit off what seemed like endless conclusions are the two spacecraft seven three men began their 12th orbit off what seemed like endless conclusions are the two spacecraft seven three men began their 12th orbit off what seemed like endless conclusions are the two spacecraft seven three men began their 12th orbit off which is the two spacecraft seven three men began their 12th orbit off which is the two spacecraft seven three men began their 12th orbit off which is the two spacecraft seven three men began their 12th orbit off which is the two spacecraft seven three men began their 12th orbit off which is the t

"Somebody's upside down," Armstrong told him. Just then, Collins asked Armstrong: "Put your tracking

"It's on, Mike," answered

"Give us a mark when you're at seven tenths of a mile." Duke Moments later, Duke told Col-

showed the two spacecraft seven

the majestic drama began to

old resident of a West Berlin retirement home beat his roommate to death with a chair, He

onquering nation, if I dare call

The state television networks

caused by the earth's tidal pull yesterday. on the crust of the captive moon. Prominent among these is Soviet Prof. Nicolai Kozyrev who himself spotted some of ing sunlight and two weeks of

of the Universities Space Re-

How do men steer A basketball-sized sphere, Houston — How do men steer A basketball-sized sphere onds in what amounted to a denly do to the moon? They combine the called the intertial measuring braking maneuver to slow it most complex radar and com-unit, controls the system. It down and start it failing, the puter equipment with the same contains a platform designed to two men were behind the moon

years have seen flashes some think could be volcanoes.

He was alerted by Mission sorted shots are so true that flight control here to a set of "lunar control here to a set of "lunar" control here they wanted to be.

The old-feshioned set of the spaceship would end about so miles from the moon — just about exactly where they wanted to be.

The old-feshioned set of the spaceship would end about so miles from the moon — just about exactly where they wanted to be.

The old-feshioned set of the spaceship would end about so miles from the moon — just about exactly where they wanted to be.

bright glows or flashes — ob- a small one Thursday morning served by astronomers in several parts of the world Friday inght in the area of the crater Aristarchus.

Aristarchus was 454 miles north of the spacecraft track.

Astronomers in 31 countries ground breaks down.

For most of the trip to the spacecraft was a small one Thursday morning caused a great deal more trouble. Time after time Wednesday, pilot Mike Collins was unable to get good readings on the carth's horizon. Gene Kranz, afflight director, said that the ground breaks down.

For most of the trip to the carth's atmosphere was confus-

confirmed Armstrong's report. Hundreds of such events have been seen on the moon by astronomers, 40 per cent of them in the Aristarchus area. Said ground control later: Said ground control later: "We answered a query incorrectly. Collins was right all still falling, the Eagle was in the Aristarchus area. Said ground control later: Scillation rate now." Still falling, the Eagle was coming up over the eastern re-

It's Morning — Moon-Time

Houston —In "moon time" moon about 2 p.m. EDT today

The lunar day is four weeks this would be only an hour and long, with two weeks of scorch- a half after sunrise. frigid darkness.

Arson Is Suspected

Springfield, Mass. - (AP) ire officials suspect arson in

In Springfield Fire

the rear porch of their house edge of Arcadia State Park.

DRIVER KILLED

earth hours earlier When the module lifts off the

couple to flee. clous fire in recent weeks. man both in their 70s, escaped

Apollo 11 lunar module landed to 21 degrees above the horizon.

When the module landed the 24 Boy Scouts Travel Twenty-four members of Boy

rrip to complete the require-

ment of research laboratories concerned with space science and technology. He will also westley D. Finkle Jr. of New The merit badge requires 200 Down they came, still falling "Say something," a suddenly retended to use facilities of the Manned Space Center in Houston.

Again, Comins proke in, eager able to unlock for almost 45 minutes.

Again, Comins proke in, eager able to unlock for almost 45 minutes.

"I got a solid lock on it," Say something," a suddenly retended but slowing at the same time. I laxed Duke told him. "They spacecraft came over the Manned Space Center in his car went off Donald Spatcher, another troop At 21,000 feet, their speed had ought to be able to hear you."

Houston.

Houston.

Houston.

Houston.

Again, Comins proke in, eager able to unlock for almost 45 minutes.

"I got a solid lock on it," Say something," a suddenly retended but slowing at the same time. I laxed Duke told him. "They spacecraft came over the moon's rim."

"Upside Down" "Eagle, we see you on the "Hey," Collins said to

"Eagle, you're looking great," Duke said, "You're go at 1,600

"Fantastic." "We Thank You" Five minutes after touchdown

First Asleep Armstrong and Aldrin were from subsistence to some meas-the first to go to sleep, and ure of luxury.

Team."

from her husband.

tent looks good."

It was then that Armstrong "We'll keep a close eye for "Okay." Armstrong said next, Two minutes later, it was told Houston he had had to the bunny girl."

"I'm ready to start my yaw

Like most of the maneuvers good.

sleep until after 1 a.m. — and paste tubes, as during the breakfast; shrimp cocktail, ham it was the ground that suggested Mercury space program of 1861- and potatoes (a wet-pack). 63, to nearly normal meals in fruit cocktail and date fruit-the Apollo program. That is, cake for lunch, and beef stew, coconut cubes, banana pudding and grape punch for supper.
Fresh fruits and snacks, in-

flights, is aboard again, but ac-companied by meat and fish salads packaged for the first time in lightweight metal cans.

slight amount of fluorescence to it—the area around the crater is quite bright."

They also will have to handle brown in Communication Bruce it Smithsonian Astrophysical the Smithsonian Astrophysical the Smithsonian Astrophysical observatory in Cambridge, Disservatory in Cambridge, Disserva

ing most of the food's natural ment system."

said to Collins from the ground. lins the big radars on the ground

SNORING IS FATAL Berlin - (AP) - A 71-year-

told police the other man's to snoring made him nervous.

Pontiff Urges

World Not to

Forget Wars

Castel Gandolfo, Italy

(AP) - Pope Paul VI warned Sunday that the wonders of

space technology should not dis-

tract attention from four wars

In a strongly worded speech at his weekly Sunday noon blessing, the Pope called July 20 "a great day, a historic day for humanity, if it is true that to-

night two men will set foot on

passion for instruments, for the products of man's hand fasci-

products of man's nand rasci-nate us, perhaps to the point of madness," the Pope told thou-sands of pilgrims at his summer palace. "But this is the danger:

we must beware of this wor-

The Pope also noted that 'amid the joy of this fateful day

. we must not forget the need and the duty that man has to dominate himself."

"There are still, we know,

three wars in progress on the face of the earth: Vietnam, Af-rica and Middle East. A fourth

has now been added, with thou-sands of victims between El Sal-

vador and Honduras, in these very past few days. And then

hunger still affects entire populations."

Pope Paul hailed the Apollo

11 astronauts later as con-

querers of the moon and said

man looks forward to "the ex-

panse of endless space and a

The 71-year-old pontiff, who

new destiny."

"Admiration, enthusiasm and

plaguing the earth.

2 Astronauts Take First Steps on Moon

Continued From Page One some problem in mobility. Its high center of gravity on his back tended to "pull him back," Armstrong said. It was hard to bend down. And the astronauts moved with glacial slowness. They will look forward to getting the more mobile space suits now being developed for future landings.

Aldrin also soon reported that the "powdery" surface of the lunar rocks made them "rather slippery."

On the ground, the chief flight surgeon, Dr. Charles Berry, reported: "The crew is doing well. The data is good" the readings from heart tracings and oxygen use and cooling inside the space suit.

the contingency sample of lunar ladder. rocks - to be man's first and quickly made a report that

"Vesicles" are little holes Armstrong stood at the foot once filled by gas. This means of the ship's ladder as Aldrin "Vesicles" are little holes these are chunks of once-gas- began his climb down. filled volcanic lava coughed up ternal events - a clue that Aldrin. seemed to say: "Much of the moon may be volcanic.'

evaluating — preparing the 10:56:20 as the unofficial time grain." At another point he re-way for future moon-men was of his first footstep on the of their main jobs. Walk-moon ing "several hundred feet might be tiring," Aldrin reported, "but this may be a function of the "Magnificent desolation." sair

Armstrong moved slowly in the strange world of gravity only one-sixth as strong as earth's, but he appeared to "Find a purple rock?" Armstrong moved slowly in the appeared to "Find a purple rock?" Armstrong moved slowly in the strange with the appeared to "Find a purple rock?" Armstrong moved slowly in the strange with the strange world of gravity only one-sixth as strong as earth's, but he appeared to strange with the strange world of gravity only one-sixth as strong as earth's, but he appeared to strange with the strange with have no difficulty.

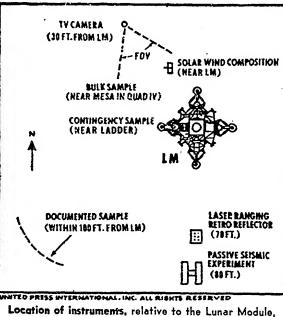
The dark outline of one of "Yep." Aldrin replied.
the lander's four legs was clearly visible on television against

He said some rocks were The dark outline of one of ly visible on television against sparkly.

ert of the United States. It's Armstrong and Aldrin began different but its very pretty their preparations at 7:42 p.m. to the command module.

strong's arms working at something on the front of his space-other accoutrements of survival suit. He apparently was un- in a world so unlike their own packing a camera. He turned, taking pictures.

'Ready for me to come out?" Aldrin asked at 11:10 p.m.



that were placed on the moon by the Apollo II astronauts are shown in this drawing. The television camera 30 feet from the module enabled people around the world to view man's first steps on moon.

"Armstrong began gathering he climbed down the nine rung ried it over the surface, clearly

"The descent engine did not

"Be advised that a lot of the hard rocks appear to have vesicles in the surface."

OK, you saw what difficulties I was having," Armstrong told Aldrin as he guided him out of the ship's hatchway. out of the ship's hatchway.

"You're right at the edge of to the surface by powerful in- the porch," Armstrong told

Although Armstrong's appeared to hit the surface at

"Magnificent desolation," said Aldrin.

"Find a purple rock?" Arm

strong asked.

out here," Armstrong said. Donning their heavy, double-Television showed Arm-visored space helmets, their oxygen-providing backpads, the

> Armstrong and Aldrin were not visible to the third Apollo 11 astronaut, Air Force Lt. Col. Michael Collins locked in

the surface rear Eagle. and quickly made a report that leave a crater of any size. Armstrong moved about 40 to with the Apollo mission must have made every geologist and lunar scientist in the gist and lunar scientist in the here," Armstrong said.

> with what appeared to craft are equal to, if not more be small loose rocks and pocked valuable than, manned ships. with little craters a foot or two in diameter.

Armstrong said the lunar space."

Another report: A larger rock, very rounded, sticking out rock, very rounded, sticking out about one foot—it's standing on edge." This seemed to be part of the ejecta—material thrown of the ejecta—material thrown miles from the lunar surface.

In the were prayers for the pagne from hundreds of bottles the lyrics.

There were prayers for the pagne from hundreds of bottles the lyrics.

There were prayers for the pagne from hundreds of bottles the lyrics.

There were prayers for the pagne from hundreds of bottles the lyrics.

There were prayers for the pagne from hundreds of bottles the lyrics.

Together with moon module landed.

Edward Ingram of suburban whole Catholic Church, where.

Casinos in Rono, Lake Taboe Moon Township announced that Paul VI salutes you."

spacesuit he would have ground control to step the spacecraft several hours at 11:06 p.m. EDT, he carlier than scheduled.

At 11:06 p.m. EDT, he carlier than scheduled.

Armstrong first told mission collector that looked like a control he hoped to start outleterfly net. He said as he side at 9 p.m. EDT, but that tried to scoop up two pounds later slipped to 10 p.m. and of soil, the surface appeared then to 10:30 as the astronauts well as the moon.

At 1:11 a.m. EDT today, the hard and very cohesive.

Minimum Attention

Many observers here believed

hard and very cohesive. chores delayed the moment.
"It has a stark beauty all of its own. Its much like the dessial mission control.

Chores delayed the moment. two astronauts completed their experiments and returned to the lunar module for a rest period."

Memorial Smeared

Berlin - (AP) - A memo-Berlin — (AP) — A memorial to a group of men who tried to assassinate Adolf Hitler was found smeared with swass-tikas yesterday, the 25th anniversary of the thwarted attempt on the Nazi leader's life.

So far, Soviet news media the power Street and the Power St "Stand by just a second," a lonely patrolling orbit in the Armstrong replied.

Armstrong replied.

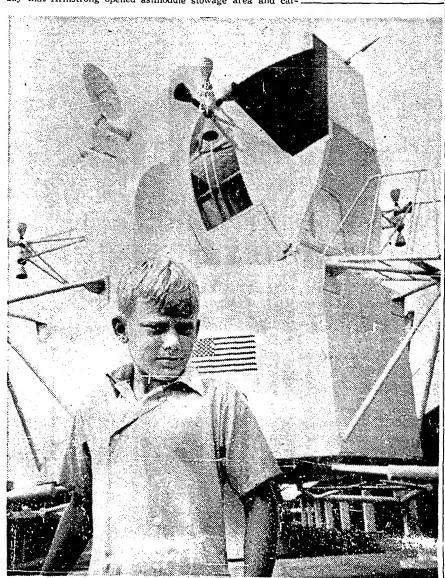
The camera that televised the historic moment to earth was mounted inside an equipment with the Armstrong opened as that Armstrong opened as that Armstrong opened as the thickness of the Armstrong opened as the televised the horizontal and the televised the long that Armstrong opened as the televised the Still, they were drawn to the Mask a line of Down the walk, a line of Down the walk, a line of Still, they were drawn to the Mask a line of the trium. As a center by the event and some of them, at least, felt the tourist tent where arm to the Mask a time of the tourist tent where arm much more aware of the tourist tent where arm much more aware of the tourist tent where arm to the Mask a line of the Mask a line of NASA center by the event and of the tourist tent where arm to the Mask a line of them they will as the tourist tent where arm to the Mask a line of them the tourist tent where arm much more aware of the tourist tent where arm much more aware of the tourist tent where arm much more aware of the Mask a line of them the tourist tent where arm to the descent the way the insiders did.

In a sense, the gathering also did.

In a sense, the gathering also did.

In a sense, the gathering also did.

While standard the triumph of Abollo 11 would are the tourist tent where arm to the tourist tent where arm much more aware of the tourist tent where arm much more aware of the tourist tent where arm to the tourist tent where arm tourist tent where arm to the



Visiting Dad's Shop: Andrew Aldrin, 10, in front of a model of the Apollo 11 Lunar Module at Manned Spacecraft Center, Houston, Tex. His father was in the module.

ïass Gives Report On Moon Landing **Just Minutes Later**

Moscow - (AP) - The Soviet news agency Tass reported the lunar landing yes-terday within minutes of the touchdown by U.S. astro-

In a dispatch from New York, it said: "The lunar module of the spaceship Apollo 11, with N. Arm-strong and E. Aldrin on board, has touched down on the moon in the Sea of Tranquility. The astronauts are still in the modulc. Their walk out onto the surface of the moon is planned for the morning hours of July

Luna 15 Now In Orbit Close To the Moon

Continued From Page One perhaps even in the same vicini-ty where the Americans landed.

Soviet officials had given showing small craters pitting assurances to the Americans the surface rear Eagle. that Luna 15 would not interfere with the Apollo mission, but the showed television viewers the speculation that the Russians of the speculation of the spe The terrain around the space-craft appeared very flat, lit-demonstrate that unma unmanne

> As usual, Tass gave no in formation on the eventual goal Armstrong planted the American flag on the surface at 11:43 p.m. EDT.
>
> Armstrong said the lunar 15 continues scientific exploration in the near moon outer

experiments and returned to the lunar module for a rest period that Luna 15 would continue prior to the blastoff and return the research started by previous unmanned craft in the Lunseries that crbited the moor Communist sources have

short news items on the Apollo mission but Russians wanting a full account of the flight had to have good short wave sets and a good short wave sets and a knowledge of a foreign language. Russian language broadcasts from the Voice of America and the British Broad casting bizarre impression of the America of the British Broad casting bizarre impression of the America of the British Broad casting bizarre impression of the America of the British Broad casting bizarre impression of the America of the British Broad casting bizarre impression of the America of the British Broad casting bizarre impression of the America of the British Broad casting bizarre impression of the America of the British Broad casting bizarre impression of the America of the British Broad casting bizarre impression of the America of the British Broad casting bizarre though and smiled selfconsciously. "All your the triumph of Apollo 11 would the triumph of Apollo 11 would from East Providence and a 16-year-old from East Providence, were treated at Rhode Island Hospital for minor injuries.

On the lawn, while the demonstrators sang. "He got the lunar module in his hands. He's providence boy on Power Street in the triumph of Apollo 11 would from Providence and a 16-year-old from East Providence and a 16-year-old from E

Contrast at Houston Center

corporation were neavity jam- ican reaction.

It was bizarre, though, and smiled selfconsciously. "All you the anger of a space-program a space-program of the actual landing of the Apollo lunar module was not reported immediately on radio, supposed to be bloodless, unbut later Moscow radio briefly announced the lunar touchdown. In the supposed to be bloodless, unbut later Moscow radio briefly announced the lunar touchdown. In the supposed to be bloodless, unbut later Moscow radio briefly announced the lunar touchdown. In the supposed to the supposed they were more confident—or that is tightly and got the astronauts in his hands, were "very slight," briefly said. The can do is say, 'God bless them a space-program employe boiled over.

Perhaps the public visitors as dollar" shouted John and a year of a space-program employe boiled over.

"Are you people hungry? adult in connection with the dent. Both were injured, and on the public visitors are the space-program employe boiled over.

Perhaps the public visitors and pray."

Perhaps the public visitors and pray."

Harrison from the ring of by- cording to police information to confident—or the ring of by- cording to police information.



Pope Paul VI viewed lumar landing area yesterday from Castel Gandolfo, Italy.

Half Billion Watch Moon Show

By THE ASSOCIATED PRESS | thetic aurora borealis, a dance for 1,100 prisoners in two hono Back on earth yesterday performed in a moon bubble un-blocks. President Nixon and half a bil-der black light, and the drop-Disneyland at Anaheim, Calif.,

Week Ago Yesterday

Tass said the latest maneuver moon show on television, experts ook place at 5:16 p.m. Moscow estimated.

In yesterday (10:16 a.m. Another billion couldn't see it of the property of the p ferred to the "sandy surface."

The astronauts took spectacular television shots of the time yesterday (10:16 a.m. Another billion couldn't sec it because it was not shown in the showing the ungainly lunar lander.

The men moved around with a shuffling gair, almost as though they were in a water toallet.

Another report: "A larger Another report: "A larger rock, very rounded, sticking out about one foot—it's standing on a count rook spectoday and went into measure took place at 5:16 p.m. Moscow estimated.

Another billion couldn't sec it of the cause it was not shown in the because it was not shown in the cause it was not shown in the because it was not shown in the cause i

sun.

Adrin said he thought one delevision against speakly.

Adrin said he thought one distance away.

Adrin waked about the sunar distance away.

Adrin waked about the sunar

"symbolic" white clothes to Course, the Lunar Lander, the flashed on the scoreboard. watch the TV pictures beamed Eagle, the Columbia, the A-OK Officials stopped the game for

The chase began on Waterman

on the huge screens along with cartoons and movies of past imaginary moon trips.

The warden of San Quentin the astronauts' safe return, then againary moon trips.

Prison announced TV could run the crowd joined in singing police request. The chase continued a syn-past the usual 11 p.m. curfew "America the Beautiful."

195 into Providence. East Providence police followed the car down the South Main Street exit ramp, on to Benefit Street and then Power Street

ordinary folks nearby seemed crafton each zig and zag of its extraordinarily blase.

Still, they were drawn to the descent the way the insiders wells St., near Williams Street.

Police yesterday were seeking

ere's a dollar" shouted John dent. Both were injured, ac-East Providence police said

"Take us out tomorrow to one Linked by TV to can't go," a black woman yelled Famous Location

Kill Devil Hills, N.C. -(AP) He is a white man who works where powered flight began 65 linked by television to the spot

nounced that television sets were installed adjacent to the the moment, stone marker located at the site the confrontation ended sul-where Orville and Wilbur Wright so that the wearer can walk.

For the guidance of mission roughly four hours without lenly. Someone in the crowd flew their first powered airplane struments on the lunar surface inite different kinds of informal recharging. accused Harrison of speaking on Dec. 17, 1903. He said the for the John Birch Society, but memorial also remained open to the public last night during Hulbert James, the leader of the moon landing phase of the

The special service was in-

if he had shoelaces.

Yobably he couldn't get up united if he fell down.

Each moon explorer's sult maintain their own independent switch. The moon safety and level of exertion.

Artistrong and walter, Neil A. Artistrong and weighed about 165 pounds when level of the men consumption.

He had shoelaces.

The items were chosen to a little more than a pound of oxygen is stored in a tank at a pressure of 1,000 pounds per square inch. Norman L. Bailis, and the black children huddled and the black

Moon Walker's Costume The materials of the space, ferent companies, but for Houston — The proper cos-suit and its life-support package moon walk each is as necessary of those big cafeterias where we name for a stroll on the moon include plastics, synthetic fibers, as the other.

veighs more than the man who artificial rubber and several rears it and is almost as self-metals, including silver and by the Hamilton Standard ufficient as a space ship. ufficient as a space ship. This lunar space suit is more ries its own supply of electricity, than a garment because it must water and oxygen. It has a sworn as a back pack. It

Yet, it must be flexible enough to earth. truments on the lunar surface nine different kinds of informaever to tie a shoelace — even the natural electrical activity In the main pack assembly if he had shoelaces.

of his heart,

by the Hamilton Standard by the Hamilton Standard work and get yourself some — When the Apollo 11 astronauts
The moon-walk costume car- Division of United Aircraft Corpfood?" Harrison shouted back, landed on the moon, they were carry its own atmosphere and fan, a refrigeration element and contributes about 120 pounds to for AV Corp., one of the thousands of NASA contributes about 120 pounds to sands of NASA contributes are said of NASA contributes. carry its own atmosphere and fan, a refrigeration element and contributes about 120 pounds to lar AV Corp., one of the thoughout total a sophisticated two-way radio, the total suit weight. The pack's larger make the moon landing.

K. A. Wing, in charge of Navacuum, extremes of tem-Even when the walker is not radio antenna and an emergency happen. He was "damn mad," on the Dare County coast, anthe risk of a hurtling chatter of automatic signals to the lunar module and thence of a the course he felt the weloxygen supply to augment the the moment,

Its flexibility is just great and voltage, oxygen supply Another separate unit, worm of the John Birch Society of the John Birch B only reach an inch or so above perature and pressure in the showing the walker's oxygen the demonstrators, nanged nim his head and only as far down life support system, and the as his knees, He couldn't stoop walker's electrocardiogram readings.

In the walker's oxygen the demonstrators, nanged nim pressure and other critical a stack of literature proclaiming that this should be the last space shot until America's space sh showing the walker's oxygen the demonstrators, handed him mission.

mploye boiled over.

"Are you people hungry? a second youth and a young adult in connection with the inci-Harrison from the ring of by- cording to police information. standers. He pulled dollar bills Last Providence yesterday the three from his wallet and waved them may be sent to Family Court. at the black demonstrators. "If that ain't enough, here let me Landing on Moon feed you.'

"Why don't you go out and

ing that this should be the last itiated at the request of flight space shot until America's enthusiasts, he said. a little more than a pound of